

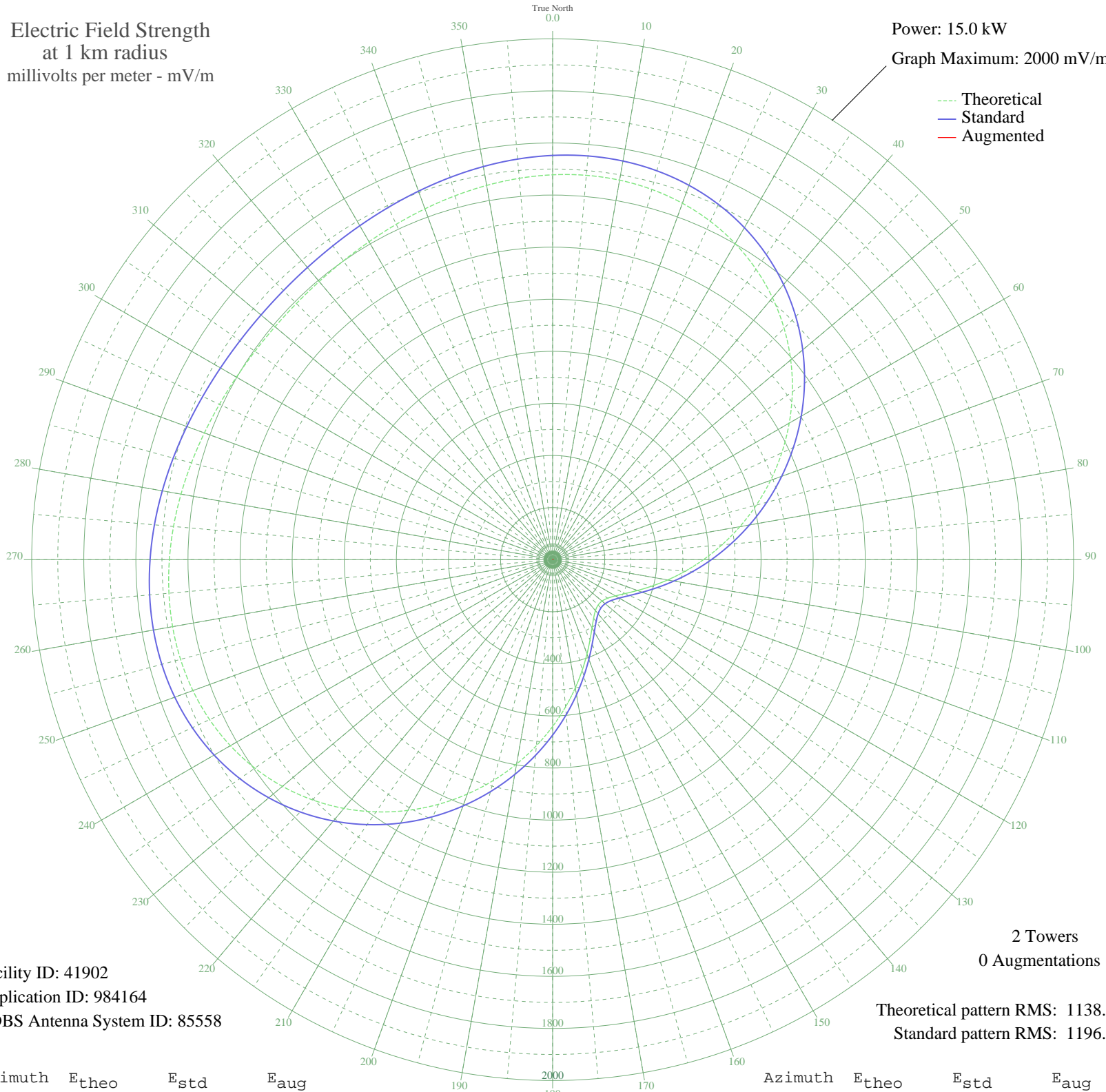
WSAU WAUSAU, WI BL-20040302ABW 550 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 15.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 41902  
Application ID: 984164  
CDBS Antenna System ID: 85558

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1138.60  
Standard pattern RMS: 1196.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1477.81	1552.23	
5	1481.46	1556.06	
10	1479.78	1554.30	
15	1471.72	1545.85	
20	1456.41	1529.77	
25	1433.15	1505.36	
30	1401.53	1472.17	
35	1361.40	1430.05	
40	1312.92	1379.17	
45	1256.55	1320.00	
50	1193.02	1253.33	
55	1123.34	1180.21	
60	1048.73	1101.92	
65	970.56	1019.90	
70	890.32	935.72	
75	809.54	850.99	
80	729.76	767.33	
85	652.45	686.27	
90	578.97	609.28	
95	510.59	537.66	
100	448.41	472.58	
105	393.36	415.02	
110	346.23	365.81	
115	307.65	325.59	
120	278.12	294.84	
125	257.97	273.91	
130	247.45	262.98	
135	246.67	262.17	
140	255.64	271.48	
145	274.25	290.82	
150	302.31	320.02	
155	339.47	358.75	
160	385.27	406.57	
165	439.10	462.84	
170	500.20	526.78	
175	567.66	597.43	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	640.40	673.65	
185	717.19	754.14	
190	796.67	837.49	
195	877.39	922.16	
200	957.82	1006.53	
205	1036.42	1089.00	
210	1111.70	1167.99	
215	1182.26	1242.03	
220	1246.84	1309.81	
225	1304.42	1370.24	
230	1354.20	1422.49	
235	1395.68	1466.03	
240	1428.66	1500.65	
245	1453.24	1526.44	
250	1469.78	1543.81	
255	1478.94	1553.42	
260	1481.57	1556.18	
265	1478.70	1553.17	
270	1471.47	1545.58	
275	1461.09	1534.68	
280	1448.76	1521.74	
285	1435.65	1507.99	
290	1422.86	1494.55	
295	1411.33	1482.45	
300	1401.87	1472.52	
305	1395.10	1465.42	
310	1391.47	1461.61	
315	1391.20	1461.33	
320	1394.30	1464.58	
325	1400.59	1471.18	
330	1409.66	1480.70	
335	1420.90	1492.50	
340	1433.56	1505.79	
345	1446.68	1519.56	
350	1459.21	1532.72	
355	1469.99	1544.03	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission